

**CLAIMS:**

1. (Currently amended) A method ~~[[of]]~~ , implemented on a computer system, for processing user defined Boolean variables in a multi dimensional spreadsheet (200) comprising a plurality of cells identified by a cell address along each dimension, said method comprising the steps of:
  - defining one or a plurality of Boolean variables in a table (400), whereby said Boolean variables are managed;
  - referencing said one or plurality of Boolean variables in one or a plurality of cells;
  - and
  - determining the content of said cell or plurality of cells;
  - wherein each of said Boolean variables can be set as "True" or "False," and impact the content of a cell within an electronic spreadsheet.
2. (Previously presented) The method according to claim 1 wherein said step of defining one or a plurality of Boolean variables in a table, comprises the further steps of:
  - for each defined Boolean variable:
  - assigning a name (311) and storing in the table (400) said name (403);
  - selecting a status value (303); and
  - storing in the table said status value (404).
3. (Previously presented) The method according to claim 1 further comprising:
  - updating in the table the status value (304, 404) of the one or plurality of Boolean variables.
4. (Previously presented) The method according to claim 1 wherein the step of determining the content of said cell or plurality of cells comprises the further step of:
  - computing the value of said cell or plurality of cells according to the value of said one or plurality of Boolean variables.

5. (Previously presented) The method according to claim 1 comprising the further step of:  
changing in the table (400) the name (311) of one or a plurality of Boolean variables.
6. (Previously presented) The method according to claim 1 wherein said step of selecting a status value (303) comprises the further steps of:  
setting the status value of the Boolean variable to "true"; or  
setting the status value of the Boolean variables to "false."
7. (Previously presented) The method according to claim 1 comprising the further step of:  
setting the value of the Boolean variable to one when the status value is "true"; or  
setting the value of the Boolean variable to zero when the status value is "false."
8. (Previously presented) The method according to claim 1 wherein said steps of assigning a name, changing the name, selecting a status value, updating the status value are executed by means of an interactive user interface.
9. (Previously presented) The method according to claim 8 wherein said interactive user interface comprises a dialog box (300) displayed on a screen (106) of a computer system (100).
10. (Currently amended) A computer system (100) comprising  
means for defining one or a plurality of Boolean variables in a table, whereby said Boolean variables are managed;  
means for referencing said one or plurality of Boolean variables in one or a plurality of cells; and  
means for determining the content of said cell or plurality of cells;  
wherein each of said Boolean variables can be set as "True" or "False," and impact the content of a cell within an electronic spreadsheet.

11. (Previously presented) A computer-usable medium comprising computer readable instructions adapted for carrying out the method according to claim 1.